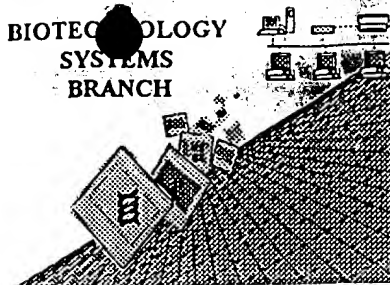




## RAW SEQUENCE LISTING ERROR REPORT

BIOTECHNOLOGY  
SYSTEMS  
BRANCH



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

09/883,727

Source:

OIPE

Date Processed by STIC:

7/6/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

### Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO).

Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be downloaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>



OIPE

RAW SEQUENCE LISTING

DATE: 07/06/2001

PATENT APPLICATION: US/09/883,727

TIME: 11:49:10

Input Set : A:\00-33.SEQ.txt

Output Set: N:\CRF3\07062001\I883727.raw

4 <110> APPLICANT: West, Robert R.  
 5 Sheppard, Paul O.  
 6 Fox, Brian A.  
 8 <120> TITLE OF INVENTION: Peptide and Polypeptide Inhibitors of  
 9 Complement C1s  
 11 <130> FILE REFERENCE: 00-33  
 C--> 13 <140> CURRENT APPLICATION NUMBER: US/09/883,727  
 C--> 13 <141> CURRENT FILING DATE: 2001-06-18  
 13 <160> NUMBER OF SEQ ID NOS: 140  
 15 <170> SOFTWARE: FastSEQ for Windows Version 3.0  
 17 <210> SEQ ID NO: 1  
 18 <211> LENGTH: 122  
 19 <212> TYPE: PRT  
 20 <213> ORGANISM: Haementaria ghilianii  
 22 <400> SEQUENCE: 1  
 23 Ala Lys Lys Lys Leu Pro Lys Cys Gln Lys Gln Glu Asp Cys Gly Ser  
 24 1 5 10 15  
 25 Trp Asp Leu Lys Cys Asn Asn Val Thr Lys Lys Cys Glu Cys Arg Asn  
 26 20 25 30  
 27 Gln Val Cys Gly Arg Gly Cys Pro Lys Glu Arg Tyr Gln Arg Asp Lys  
 28 35 40 45  
 29 Tyr Gly Cys Arg Lys Cys Leu Cys Lys Gly Cys Asp Gly Phe Lys Cys  
 30 50 55 60  
 31 Arg Leu Gly Cys Thr Tyr Gly Phe Lys Thr Asp Lys Lys Gly Cys Glu  
 32 65 70 75 80  
 33 Ala Phe Cys Thr Cys Asn Thr Lys Glu Thr Ala Cys Val Asn Ile Trp  
 34 85 90 95  
 35 Cys Thr Asp Pro Tyr Lys Cys Asn Pro Glu Ser Gly Arg Cys Glu Asp  
 36 100 105 110  
 37 Pro Asn Glu Glu Tyr Glu Tyr Asp Tyr Glu  
 38 115 120  
 40 <210> SEQ ID NO: 2  
 41 <211> LENGTH: 10  
 42 <212> TYPE: PRT  
 43 <213> ORGANISM: Artificial Sequence  
 45 <220> FEATURE:  
 46 <223> OTHER INFORMATION: Polypeptide  
 48 <400> SEQUENCE: 2  
 49 Pro Asn Glu Glu Tyr Glu Tyr Asp Tyr Glu  
 50 1 5 10  
 52 <210> SEQ ID NO: 3  
 53 <211> LENGTH: 10  
 54 <212> TYPE: PRT  
 55 <213> ORGANISM: Artificial Sequence  
 57 <220> FEATURE:  
 58 <223> OTHER INFORMATION: Polypeptide  
 60 <221> NAME/KEY: MUTAGEN

Does Not Comply  
 Corrected Diskette Needed

need to indicate the  
 source of the genetic material

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/883,727

DATE: 07/06/2001  
TIME: 11:49:10

Input Set : A:\00-33.SEQ.txt  
Output Set: N:\CRF3\07062001\I883727.raw

61 <222> LOCATION: (5)...(5)  
62 <223> OTHER INFORMATION: Xaa = Phe-(p-CH<sub>2</sub>)SO<sub>3</sub>H  
64 <400> SEQUENCE: 3  
W--> 65 Pro Asn Glu Glu Xaa Glu Tyr Asp Tyr Glu  
66 1 5 10  
68 <210> SEQ ID NO: 4  
69 <211> LENGTH: 10  
70 <212> TYPE: PRT  
71 <213> ORGANISM: Artificial Sequence  
73 <220> FEATURE:  
74 <223> OTHER INFORMATION: Polypeptide  
76 <221> NAME/KEY: MUTAGEN  
77 <222> LOCATION: (7)...(7)  
78 <223> OTHER INFORMATION: Xaa = Phe-(p-CH<sub>2</sub>)SO<sub>3</sub>H  
80 <400> SEQUENCE: 4  
W--> 81 Pro Asn Glu Glu Tyr Glu Xaa Asp Tyr Glu  
82 1 5 10  
84 <210> SEQ ID NO: 5  
85 <211> LENGTH: 10  
86 <212> TYPE: PRT  
87 <213> ORGANISM: Artificial Sequence  
89 <220> FEATURE:  
90 <223> OTHER INFORMATION: Polypeptide  
92 <221> NAME/KEY: MUTAGEN  
93 <222> LOCATION: (9)...(9)  
94 <223> OTHER INFORMATION: Xaa = Phe-(p-CH<sub>2</sub>)SO<sub>3</sub>H  
96 <400> SEQUENCE: 5  
W--> 97 Pro Asn Glu Glu Tyr Glu Tyr Asp Xaa Glu  
98 1 5 10  
100 <210> SEQ ID NO: 6  
101 <211> LENGTH: 10  
102 <212> TYPE: PRT  
103 <213> ORGANISM: Artificial Sequence  
105 <220> FEATURE:  
106 <223> OTHER INFORMATION: Polypeptide  
108 <221> NAME/KEY: MUTAGEN  
109 <222> LOCATION: (5)...(5)  
110 <223> OTHER INFORMATION: Xaa = Phe-(p-CH<sub>2</sub>)SO<sub>3</sub>H  
112 <221> NAME/KEY: MUTAGEN  
113 <222> LOCATION: (7)...(7)  
114 <223> OTHER INFORMATION: Xaa = Phe-(p-CH<sub>2</sub>)SO<sub>3</sub>H  
116 <400> SEQUENCE: 6  
W--> 117 Pro Asn Glu Glu Xaa Glu Xaa Asp Tyr Glu  
118 1 5 10  
120 <210> SEQ ID NO: 7  
121 <211> LENGTH: 10  
122 <212> TYPE: PRT  
123 <213> ORGANISM: Artificial Sequence  
125 <220> FEATURE:

see page 1

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/883,727

DATE: 07/06/2001  
TIME: 11:49:10

Input Set : A:\00-33.SEQ.txt  
Output Set: N:\CRF3\07062001\I883727.raw

126 <223> OTHER INFORMATION: Polypeptide  
128 <221> NAME/KEY: MUTAGEN  
129 <222> LOCATION: (5)...(5)  
130 <223> OTHER INFORMATION: Xaa = Phe-(p-CH<sub>2</sub>)SO<sub>3</sub>H  
132 <221> NAME/KEY: MUTAGEN  
133 <222> LOCATION: (9)...(9)  
134 <223> OTHER INFORMATION: Xaa = Phe-(p-CH<sub>2</sub>)SO<sub>3</sub>H  
136 <400> SEQUENCE: 7  
W--> 137 Pro Asn Glu Glu Xaa Glu Tyr Asp Xaa Glu  
138 1 5 10  
140 <210> SEQ ID NO: 8  
141 <211> LENGTH: 10  
142 <212> TYPE: PRT  
143 <213> ORGANISM: Artificial Sequence  
145 <220> FEATURE:  
146 <223> OTHER INFORMATION: Polypeptide ← See page 1  
148 <221> NAME/KEY: MUTAGEN  
149 <222> LOCATION: (7)...(7)  
150 <223> OTHER INFORMATION: Xaa = Phe-(p-CH<sub>2</sub>)SO<sub>3</sub>H  
152 <221> NAME/KEY: MUTAGEN  
153 <222> LOCATION: (9)...(9)  
154 <223> OTHER INFORMATION: Xaa = Phe-(p-CH<sub>2</sub>)SO<sub>3</sub>H  
156 <400> SEQUENCE: 8  
W--> 157 Pro Asn Glu Glu Tyr Glu Xaa Asp Xaa Glu  
158 1 5 10  
160 <210> SEQ ID NO: 9  
161 <211> LENGTH: 10  
162 <212> TYPE: PRT  
163 <213> ORGANISM: Artificial Sequence  
165 <220> FEATURE:  
166 <223> OTHER INFORMATION: Polypeptide  
168 <221> NAME/KEY: MUTAGEN  
169 <222> LOCATION: (5)...(5)  
170 <223> OTHER INFORMATION: Xaa = Phe-(p-CH<sub>2</sub>)SO<sub>3</sub>H  
172 <221> NAME/KEY: MUTAGEN  
173 <222> LOCATION: (7)...(0)  
174 <223> OTHER INFORMATION: Xaa = Phe-(p-CH<sub>2</sub>)SO<sub>3</sub>H  
176 <221> NAME/KEY: MUTAGEN  
177 <222> LOCATION: (9)...(9)  
178 <223> OTHER INFORMATION: Xaa = Phe-(p-CH<sub>2</sub>)SO<sub>3</sub>H  
180 <400> SEQUENCE: 9  
W--> 181 Pro Asn Glu Glu Xaa Glu Xaa Asp Xaa Glu  
182 1 5 10  
184 <210> SEQ ID NO: 10  
185 <211> LENGTH: 10  
186 <212> TYPE: PRT  
187 <213> ORGANISM: Artificial Sequence  
189 <220> FEATURE:  
190 <223> OTHER INFORMATION: Polypeptide

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/883,727

DATE: 07/06/2001  
TIME: 11:49:10

Input Set : A:\00-33.SEQ.txt  
Output Set: N:\CRF3\07062001\I883727.raw

192 <221> NAME/KEY: MUTAGEN  
193 <222> LOCATION: (5)...(5)  
194 <223> OTHER INFORMATION: Xaa = sulfated tyrosine  
196 <400> SEQUENCE: 10  
W--> 197 Pro Asn Glu Glu Xaa Glu Tyr Asp Tyr Glu  
198 1 5 10  
200 <210> SEQ ID NO: 11  
201 <211> LENGTH: 10  
202 <212> TYPE: PRT  
203 <213> ORGANISM: Artificial Sequence  
205 <220> FEATURE:  
206 <223> OTHER INFORMATION: Polypeptide  
208 <221> NAME/KEY: MUTAGEN  
209 <222> LOCATION: (7)...(7)  
210 <223> OTHER INFORMATION: Xaa = sulfated tyrosine  
212 <400> SEQUENCE: 11  
W--> 213 Pro Asn Glu Glu Tyr Glu Xaa Asp Tyr Glu  
214 1 5 10  
216 <210> SEQ ID NO: 12  
217 <211> LENGTH: 10  
218 <212> TYPE: PRT  
219 <213> ORGANISM: Artificial Sequence  
221 <220> FEATURE:  
222 <223> OTHER INFORMATION: Polypeptide  
224 <221> NAME/KEY: MUTAGEN  
225 <222> LOCATION: (9)...(9)  
226 <223> OTHER INFORMATION: Xaa = sulfated tyrosine  
228 <400> SEQUENCE: 12  
W--> 229 Pro Asn Glu Glu Tyr Glu Tyr Asp Xaa Glu  
230 1 5 10  
232 <210> SEQ ID NO: 13  
233 <211> LENGTH: 10  
234 <212> TYPE: PRT  
235 <213> ORGANISM: Artificial Sequence  
237 <220> FEATURE:  
238 <223> OTHER INFORMATION: Polypeptide  
240 <221> NAME/KEY: MUTAGEN  
241 <222> LOCATION: (5)...(5)  
242 <223> OTHER INFORMATION: Xaa = sulfated tyrosine  
244 <221> NAME/KEY: MUTAGEN  
245 <222> LOCATION: (7)...(7)  
246 <223> OTHER INFORMATION: Xaa = sulfated tyrosine  
248 <400> SEQUENCE: 13  
W--> 249 Pro Asn Glu Glu Xaa Glu Xaa Asp Tyr Glu  
250 1 5 10  
252 <210> SEQ ID NO: 14  
253 <211> LENGTH: 10  
254 <212> TYPE: PRT  
255 <213> ORGANISM: Artificial Sequence

— see page 1

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/883,727

DATE: 07/06/2001  
TIME: 11:49:10

Input Set : A:\00-33.SEQ.txt  
Output Set: N:\CRF3\07062001\I883727.raw

257 <220> FEATURE:  
258 <223> OTHER INFORMATION: Polypeptide  
260 <221> NAME/KEY: MUTAGEN  
261 <222> LOCATION: (5)...(5)  
262 <223> OTHER INFORMATION: Xaa = sulfated tyrosine  
264 <221> NAME/KEY: MUTAGEN  
265 <222> LOCATION: (9)...(9)  
266 <223> OTHER INFORMATION: Xaa = sulfated tyrosine  
268 <400> SEQUENCE: 14  
W--> 269 Pro Asn Glu Glu Xaa Glu Tyr Asp Xaa Glu  
270 1 5 10  
272 <210> SEQ ID NO: 15  
273 <211> LENGTH: 10  
274 <212> TYPE: PRT  
275 <213> ORGANISM: Artificial Sequence  
277 <220> FEATURE:  
278 <223> OTHER INFORMATION: Polypeptide  
280 <221> NAME/KEY: MUTAGEN  
281 <222> LOCATION: (7)...(7)  
282 <223> OTHER INFORMATION: Xaa = sulfated tyrosine  
284 <221> NAME/KEY: MUTAGEN  
285 <222> LOCATION: (9)...(9)  
286 <223> OTHER INFORMATION: Xaa = sulfated tyrosine  
288 <400> SEQUENCE: 15  
W--> 289 Pro Asn Glu Glu Tyr Glu Xaa Asp Xaa Glu  
290 1 5 10  
292 <210> SEQ ID NO: 16  
293 <211> LENGTH: 10  
294 <212> TYPE: PRT  
295 <213> ORGANISM: Artificial Sequence  
297 <220> FEATURE:  
298 <223> OTHER INFORMATION: Polypeptide  
300 <221> NAME/KEY: MUTAGEN  
301 <222> LOCATION: (5)...(5)  
302 <223> OTHER INFORMATION: Xaa = sulfated tyrosine  
304 <221> NAME/KEY: MUTAGEN  
305 <222> LOCATION: (7)...(7)  
306 <223> OTHER INFORMATION: Xaa = sulfated tyrosine  
308 <221> NAME/KEY: MUTAGEN  
309 <222> LOCATION: (9)...(9)  
310 <223> OTHER INFORMATION: Xaa = sulfated tyrosine  
312 <400> SEQUENCE: 16  
W--> 313 Pro Asn Glu Glu Xaa Glu Xaa Asp Xaa Glu  
314 1 5 10  
316 <210> SEQ ID NO: 17  
317 <211> LENGTH: 10  
318 <212> TYPE: PRT  
319 <213> ORGANISM: Artificial Sequence  
321 <220> FEATURE:

**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

The types of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

## VERIFICATION SUMMARY

DATE: 07/06/2001

PATENT APPLICATION: US/09/883,727

TIME: 11:49:11

Input Set : A:\00-33.SEQ.txt

Output Set: N:\CRF3\07062001\I883727.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application No  
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:65 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:81 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4  
L:97 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5  
L:117 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:137 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7  
L:157 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8  
L:181 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9  
L:197 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10  
L:213 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11  
L:229 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12  
L:249 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13  
L:269 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14  
L:289 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15  
L:313 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16  
L:333 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17  
L:353 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18  
L:373 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19  
L:393 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20  
L:413 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21  
L:433 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22  
L:457 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23  
L:481 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24  
L:505 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25  
L:529 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26  
L:553 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27  
L:569 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28  
L:585 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29  
L:601 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30  
L:621 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31  
L:641 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32  
L:661 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33  
L:685 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34  
L:701 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35  
L:717 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36  
L:733 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37  
L:753 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38  
L:773 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39  
L:793 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40  
L:817 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41  
L:837 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42  
L:857 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43  
L:877 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44  
L:897 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45  
L:917 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46  
L:937 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47  
L:961 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48

## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/883,727

DATE: 07/06/2001

TIME: 11:49:11

Input Set : A:\00-33.SEQ.txt

Output Set: N:\CRF3\07062001\I883727.raw

L:985 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49  
L:1009 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50  
L:1033 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51  
L:1057 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52